



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#25E/YR
02-05-03

TECH CENTER 1600/2900

JAN 03 2003

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Applicant: Oliver P. Peoples, Lara L. Madison, and Gjalt W. Huisman

Serial No.: 09/364,847

Art Unit: 1652

Filed: July 30, 1999

Examiner: D. Steadman

For: "ENZYMES FOR BIOPOLYMER PRODUCTION"

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Assistant Commissioner for Patents
Washington, D.C. 20231

AMENDMENT AND RESPONSE TO OFFICE ACTION

Sir:

Responsive to the Office Action mailed on September 27, 2002, please amend the application as follows.

It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge the fee to Deposit Account No. 50-1868.

In the Claims

1. (Five times amended) A [protein] fusion of two enzymes having a formula selected from the group consisting of E1-L_n-E2 and E2-L_n-E1, wherein E1 and E2 are both enzymes that catalyze successive reactions in a polyhydroxyalkanoate biosynthetic pathway and are each selected from the group of enzymes consisting of β -ketothiolases, acyl-CoA reductases, polyhydroxyalkanoate synthases, poly(3-hydroxybutyrate) synthases, phasins, enoyl-CoA hydratases, and beta-hydroxyacyl-ACP::coenzyme-A [transferase] transferases, in which linker

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